

IN THE CLAIMS

Please amend claims 1-16, and add claims 17-21 as follows:

1           1. (Currently Amended) A system for increasing the brightness  
2 of a portion of a video signal—(VS), the system comprising:  
3           a signal-generating unit (PG)—for supplying the video  
4 signal (VS)—and control information—(CI), and  
5           an LCD unit (MON)—having an LCD device (LP)—for  
6 displaying the video signal—(VS), and a lighting unit (LU)—for  
7 increasing an amount of light illuminating the LCD device (LP)—in  
8 response to the control information—(CI), and  
9           ~~the system further comprising a video amplitude-modifying~~  
10 means (AM1, AM2, CU)—for decreasing an amplitude of the video signal  
11 (VS)—outside the portion in response to the control information  
12 (CI).

1           2. (Currently Amended) A system as claimed in claim 1, wherein:

2 the LCD unit ~~(MON)~~ comprises a video-processing circuit  
3 ~~(VP)~~ for receiving an ~~input~~ the video signal ~~(VS)~~ to supply a  
4 display video signal ~~(VS2)~~ to the LCD device ~~(LP)~~,  
5 the signal-generating unit ~~(PG)~~ comprising:  
6 a video adapter ~~(VA)~~ for supplying the ~~input~~ video signal  
7 ~~(VS)~~, and  
8 a control unit ~~(BCU)~~ for generating the control  
9 information ~~(CI)~~.

A-10  
CMT  
1 3. (Currently Amended) A system as claimed in claim 2, wherein  
2 the amplitude-modifying means ~~(AM1, AM2)~~ is adapted to decrease the  
3 amplitude of the display video signal ~~(VS2)~~ outside the portion so  
4 that the light output and colorimetry of the display video signal  
5 ~~(VS2)~~ not belonging to the portion is kept substantially constant.

1 4. (Currently Amended) A system as claimed in claim 3, wherein  
2 the amplitude-modifying means ~~(AM1, AM2)~~ is adapted to decrease the  
3 amplitude of the display video signal ~~(VS2)~~ outside the portion so  
4 that also a color of the display video signal ~~(VS2)~~ not belonging  
5 to the portion is kept substantially constant.

1           5. (Currently Amended) A system as claimed in claim 2, wherein  
2 the amplitude-modifying means ~~(AM1)~~ comprise a controllable  
3 amplifier for receiving the ~~input~~-video signal to control an  
4 amplitude of the ~~input~~-video signal ~~(VS)~~ in response to the control  
5 information ~~(CI)~~.

Q-10  
CMT  
1           6. (Currently Amended) A system as claimed in claim 2, wherein  
2 the amplitude-modifying means ~~(AM1)~~ comprise a memory in which a  
3 look-up table is stored for ~~receiving the input video signal to~~  
4 ~~control~~ use in changing an amplitude of the ~~input~~-video signal ~~(VS)~~  
5 in response to the control information ~~(CI)~~.

1           7. (Currently Amended) A system as claimed in claim 2, wherein  
2 the video adapter ~~(VA)~~ comprises the amplitude-modifying means  
3 ~~(AM2)~~ for receiving video data ~~(VD)~~ from the video adapter ~~(VA)~~ to  
4 control an amplitude of the video data ~~(VD)~~ in response to the  
5 control information ~~(CI)~~ to obtain the ~~input~~-video signal ~~(VS3)~~  
6 having an amplitude for a part not corresponding to the portion  
7 which is smaller than an amplitude of a part corresponding to the  
8 portion.

1        8. (Currently Amended) A system ~~as claimed in claim 2, for~~  
2        increasing the brightness of a portion of a video signal, the  
3        system comprising:

4        a signal-generating unit having a video adapter for supplying  
5        the video signal and having a control unit for generating control  
6        information;

7        an LCD unit having an LCD device for displaying the video  
8        signal, and a lighting unit for increasing an amount of light  
9        illuminating the LCD device in response to the control information;  
10       and

11       video amplitude-modifying means for decreasing an amplitude of  
12       the video signal outside the portion in response to the control  
13       information, wherein the video adapter (VA) comprises a video  
14       memory (VM), and the control unit (BCU) comprises a calculating  
15       unit (CU) suitably programmed to write adapted video data (VDI)  
16       into the video memory (VM) to obtain the input video signal (VS)  
17       having an amplitude for a part not corresponding to the portion  
18       which is smaller than an amplitude of a part corresponding to the  
19       portion.

1           9. (Currently Amended) A system ~~as claimed in claim 2, for~~  
2 increasing the brightness of a portion of a video signal, the  
3 system comprising:

4           a signal-generating unit having a video adapter for supplying  
5 the video signal and having a control unit for generating control  
6 information;

7           an LCD unit having an LCD device for displaying the video  
8 signal, and a lighting unit for increasing an amount of light  
9 illuminating the LCD device in response to the control information;

10 and

11 video amplitude-modifying means for decreasing an amplitude of  
12 the video signal outside the portion in response to the control  
13 information, wherein the signal-generating unit (PC) further  
14 comprises an input device (ID) for receiving user input (UI), the  
15 control unit (BCU) being suitably programmed to generate the  
16 control information (CI) in response to the user input (UI)  
17 indicating a predetermined amount by which the light output of the  
18 lighting unit (LU) has to be increased.

1           10. (Currently Amended) A system as claimed in claim 2, wherein  
2 the signal-generating unit (PC) comprises an encoder (EN) for

3 supplying the control information ~~(CI)~~ as a coded message ~~(CM)~~, and  
4 the LCD unit ~~(MON)~~ comprises a decoder ~~(DE)~~ for decoding the  
5 message ~~(CM)~~ to obtain a control signal ~~(LCS)~~ supplied to the  
6 lighting unit ~~(LU)~~ to increase its light output.

1 11. (Currently Amended) A system as claimed in claim 810,  
2 wherein the encoder ~~(EN)~~ comprises a video encoder for coding the  
3 coded message in the video or synchronizing signal.

*add cont*  
1 12. (Currently Amended) A system as claimed in claim 910,  
2 wherein the coded message ~~(CM)~~ indicates an amount by which the  
3 light output of the lighting unit ~~(LU)~~ has to be increased.

1 13. (Currently Amended) A computer ~~(PC)~~ comprising:  
2 an interface ~~(I1)~~ for connecting an LCD unit ~~(MON)~~,  
3 a video adapter ~~(VA)~~ for supplying a video signal ~~(VS)~~ to  
4 the interface for display on a portion of the LCD unit, and  
5 a brightness control unit ~~(BCU)~~ for supplying control  
6 information ~~(CI)~~ to the interface, the control information ~~(CI)~~  
7 indicating to a lighting unit ~~(LU)~~ of the LCD unit ~~(MON)~~ that an  
8 increase of its light output is requested, and

9        video amplitude-modifying means for decreasing an amplitude of  
10   the video signal outside the portion in response to the control  
11   information, .

1        14. (Currently Amended) A computer as claimed in claim 13,  
2   wherein the computer ~~(PC)~~ further comprises a video amplitude-  
3   modifying means ~~(AM2, CU)~~ for decreasing an amplitude of the video  
4   signal ~~(VS)~~ outside a part of the video signal ~~(VS)~~ where the  
5   brightness has to be increased.

*A-10*  
*cont*

1        15. (Currently Amended) An LCD monitor ~~(MON)~~ comprising  
2   an interface ~~(I2)~~ for receiving a video signal ~~(VS)~~ and  
3   control information ~~(CI)~~ from a computer ~~(PC)~~,  
4   an LCD device ~~(LP)~~ for displaying the video signal ~~(VS)~~,  
5   a lighting unit ~~(LU)~~ for receiving the control  
6   information ~~(CI)~~ to increase an amount of light illuminating the  
7   LCD device ~~(LP)~~, and  
8   a video amplitude-modifying means ~~(AM1)~~ for decreasing an  
9   amplitude of the video signal ~~(VS)~~ outside a part of the video  
10   signal where the brightness has to be increased as indicated by the  
11   control information ~~(CI)~~.

1           16. (Currently Amended) A method of increasing the brightness  
2 of a portion of a video signal ~~(VS)~~, the method comprising the  
3 steps of  
4           supplying ~~(PC)~~ the video signal ~~(VS)~~ and control  
5 information ~~(CI)~~, and  
6           displaying ~~(MON)~~ the video signal ~~(VS)~~ on an LCD device  
7 ~~(LP)~~, and increasing ~~(LU)~~ an amount of light illuminating the LCD  
8 device ~~(LP)~~ in response to the control information ~~(CI)~~,  
9           decreasing ~~(AM1; AM2; CU)~~ an amplitude of the video signal  
10 ~~(VS)~~ outside the portion in response to the control information  
11 ~~(CI)~~.

A-10  
CMT

1           17. (new) A display comprising:  
2           an illuminator configured to provide illumination to  
3 illuminate said display;  
4           a generator configured to provide a first video signal for  
5 display on a first portion of said display, and a second video  
6 signal for display on a second portion of said display, said second  
7 portion including parts of said display outside said first portion;  
8 and



9 a controller configured to increase brightness of said first  
10 portion by increasing said illumination and decreasing an amplitude  
11 of said second video signal.

1 18.(new) A method of increasing brightness of a first portion  
2 of a display comprising:

3 providing illumination to illuminate said display;

4 providing a first video signal for display on said first  
5 portion of said display;

6 providing a second video signal for display on a second  
7 portion of said display, said second portion including parts of  
8 said display outside said first portion;

9 increasing said illumination; and

10 decreasing an amplitude of said second video signal.

1 19.(new) A display comprising:

2 an illuminator configured to provide illumination to  
3 illuminate said display;

4 a generator configured to provide a video signal for display  
5 on said display; and

6 a controller configured to increase brightness of a portion of  
7 said video signal by increasing said illumination and decreasing an  
8 amplitude of said video signal outside said portion.

1 20.(new) A method of increasing brightness of a portion of a  
2 display comprising:

3 providing illumination to illuminate said display;  
4 providing a video signal for display on said display;  
5 increasing said illumination; and  
6 decreasing an amplitude of said video signal outside said  
7 portion.

1 21.(new) A display device comprising a controller configured  
2 to increase a first brightness of said display device and to  
3 decrease a second brightness outside a portion of said display  
4 device so that said first brightness of said portion is greater  
5 than said second brightness.

---